

COPY OF PAPERS ORIGINALLY FILED

Dated:

June 28,

2001

PTO/SB/21 (modified)

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Approved for use through xx/xx/xx, OMB 0651-0031 Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE 0001/PTO U.S. Department of Commerce 10/017,358 Application Number Rev. 10/95 Patent and Trademark Office **December 13, 2001** Filing Date TRANSMITTAL FORM First Named Inventor Jeffrey D. Walker (to be used for all correspondence during pendency of **Group Art Unit Number** 2633 filed application) **Examiner Name** Not yet known Attorney Docket Number 21153-05929 Total Number of Pages in This Submission **ENCLOSURES** (check all that apply) 2002 Fee Transmittal Form (in duplicate) Issue Fee Transmittal Check Enclosed Letter to Chief Draftsperson Technology Center 2600 Return Receipt Postcard Formal Drawing(s): Response to Notice to File Missing Parts [] Sheet(s) of Figure(s) [] Assignment & Recordation Cover Sheet Appeal Communication to Board of Appeals and Interferences Declaration Appeal Communication to Group Power of Attorney (Appeal Notice, Brief, Reply Brief) **Application Data Sheet** Certified Copy of Priority Document(s) Information Disclosure Statement & PTO-1449 Copies of IDS Cited References After Allowance Communication to Group Request for Corrected Filing Receipt Request for Correction of Recorded Assignment Amendment/Response: [] Page(s) After Final Status Request Revocation and Substitute Power of Attorney REMARKS: ** IDS references are not included in the total pages submitted. SIGNATURE OF ATTORNEY OR AGENT Signature: Attorney/Reg. No.: Michael Weber, Registration No. 50,951 Dated: June 28, 2002 **CERTIFICATE OF MAILING** I hereby certify that this correspondence, including the enclosures identified above, is being deposited with the United States Postal Service as first class mail in an envelope addressed to: BOX NON-FEE AMENDMENT, Commissioner for Patents, Washington, D.C. 20231 on the date shown below. Signature:

Michael Weber

Typed or Printed Name:



ED STATES PATENT AND TRADEMARK OFFICE

APPLICANT(S):

Jeffrey D. Walker

APPLICATION NO.:

10/017,358

FILING DATE:

December 13, 2001

TITLE:

Optical Transmitter Including A Linear Semiconductor Optical

Amplifier

CONFIRMATION NO:

6851

RECEIVED

EXAMINER:

Not yet known

JUL 1 5 2002

GROUP ART UNIT:

2633

Technology Center 2600

ATTY. DKT. NO.:

21153-05929

CERTIFICATE OF MAILING

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Dated: June 28 , 2002

By:

Michael Weber, Registration No. 50,951

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INFORMATION DISCLOSURE STATEMENT Under 37 CFR §§ 1.56 and 1.97-98

SIR:

Pursuant to the provisions of 37 CFR §§ 1.56 and 1.97-98, enclosed herewith is modified form PTO-1449 listing references for consideration by the Examiner.

The filing of this Information Disclosure Statement shall not be construed as a representation regarding the completeness of the list of references, or that inclusion of a reference in this list is an admission that it is prior art or is pertinent to this application, or that a search has been made, or as an admission that the information listed is, or may be considered to be, material to patentability, or that no other material information exists, and shall not be construed as an admission against interest in any manner.

This Information Disclosure Statement is being filed: within three months of the filing date of the application, or date of entry 冈 into the national stage of an international application, or before the mailing date of a first office action on the merits, whichever event last occurred; \Box before the mailing of a first official action after the filing of a request for continued examination (RCE) under 37 CFR § 1.114; after three months of the filing date of this national application or the date \Box of entry of the national stage in an international application, or after the mailing date of the first official action on the merits, whichever event last occurred, but before the mailing date of the first to occur of either: (1) a final action under 37 CFR §1.113; or (2) an action that otherwise closes prosecution in the application, and: attached hereto is the fee set forth under 37 CFR §1.17(p) for submission of this Information Disclosure Statement under 37 CFR.§ 1.97(c); OR Applicant certifies pursuant to 37 CFR § 1.97(e) that: each item of information contained in this Information Disclosure Statement was first cited in a communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of this Statement; OR П no item of information contained in this Information Disclosure Statement was cited in a communication from a foreign patent office in a counterpart foreign application and, to the knowledge of the person signing this certification after making reasonable inquiry, no item of information contained in this Statement was known to any individual designated under 37 CFR § 1.56(c) more than three months prior to the filing of this Statement; before the payment of the issue fee but after the mailing date of the first to occur of either: (1) a final action under 37 CFR § 1.113; or (2) an action that otherwise closes prosecution in the application, and: Applicant certifies pursuant to 37 CFR. § 1.97(e) that: \Box each item of information contained in this Information

Disclosure Statement was cited in a communication from a foreign patent office in a counterpart foreign application not

PATENT

				more than three months prior to the filing of this Statement;
				or
				no item of information contained in this Information
				Disclosure Statement was cited in a communication from a
				foreign patent office in a counterpart foreign application
				and, to the knowledge of the person signing this
				certification after making reasonable inquiry, no item of
				information contained in this Statement was known to any
				individual designated under 37 CFR § 1.56(c) more than
				three months prior to the filing of this Statement; AND
			attache	ed hereto is the fee set forth under 37 CFR §1.17(p) for
			submi	ssion of this Information Disclosure Statement under 37
			CFR.§	1.97(c); OR
		after t	he paym	nent of the issue fee. Applicant request that the information
		contai	ned in t	his Information Disclosure Statement be placed in the file
		accord	ding to 3	7 CFR § 1.97(i), although the information may not be
		consid	dered by	the USPTO.
\boxtimes	This a	pplicati	ion relie	s, under 35 U.S.C. § 120, on the earlier filing date of prior
	applic	ation N	o. 10/01	4,679, filed on December 11, 2001, and the references cited
	therei	n are he	reby ref	erenced, but are not required to be provided in this
	applic	ation u	nder 37	CFR § 1.98(d) with the exception of item "X" on the PTO
	form	1449 wl	hich is a	new reference not incorporated in the previous application.
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	Disclo	osure St	atement	•
Consi	deration	n of the	listed re	eferences and favorable action are solicited.
				Respectfully submitted,
				JEFFREY D. WALKER
_	_	c		By: My had Waln
<u> Vu</u>	ne 2	. 8	_, 2002	Dy:
				Michael R. Weber, Registration No. 50,951 Fenwick & West LLP
				Two Palo Alto Square
				Palo Alto, CA 94306
				Telephone: (415) 875-2494
				Facsimile: (415) 281-1350

Dated:



Sheet 1 of 3

FORM PTO-1449 (REV. 6-89)

U.S. DEPARTMENT OF COMMERCE
Patent and Trademark Office

Attomey's Docket No. 21153-05929 Serial No. 10/017,358

INFORMATION DISCLOSURE CITATION

Applicant Jeffrey D. Walker

(Use several sheets if necessary)

Filing Date Group Art Unit

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			U.S. PA	TENT DOCUMENTS					
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		3,467,906	09/16/69	Cornely et al.	330	4.3			
		3,828,231	08/06/74	Yamamoto	357	30			
		4,794,346	12/27/88	Miller	330	4.3			
		5,436,759	7/25/95	Dijaili et al.	359	333			
		5,949,807	09/07/1999	Fujimoto et al.	372	45 R l	CEIVET		
		5,960,024	09/28/1999	Li et al.	372	96 JU	JL 1 5 2002		
	6,044,100		03/28/2000	Hobson et al.	372	766hnology Center 2			
		6,115,517	09-05-00	Shiragaki et al.	385	24			
<u> </u>		F	OREIGN	PATENT DOCUMENTS	<u>. L </u>				
		Document Number	Date	Country	Class	Subclass	Translation Yes No		
		JP 01129483	11/14/87	Japan	H01S	3/18	No		
		JP 10190147	07/21/98	Japan	H01S	3/18	No		
		JP 56006492	01/23/81	Japan	H01S	3/18	No		
		OTHER DOCU	MENTS (Including Author, Title, Date, Pertinent	Pages, Et	c.)	1		
	Α	Alcatel, "Alcatel Optror	nics introduc	es a Gain-Clamped Semiconducto	r Optical	Amplifier,"	Press Release		
	В	for Immediate Publication, OFC '98, San Jose (Feb. 1998), 1 unnumbered page. Bauer, B. et al., "Gain Stabilization of a Semiconductor Optical Amplifier by Distributed Feedback," IEEE Photonics Technology Letters, Vol. 6, No. 2 (Feb. 1994), pages 182-185.							
	С	Dorgeuille, F., et al., "1.28 Tbit/s Throughput 8x8 Optical Switch Based on Arrays of Gain-Clamped Semiconductor Optical Amplifier Gates," Optical Fiber Communication Conference, Vol. 4, Pages 221-223, March 2000.							
		Dorgeuille, F., et al., H., "Fast Optical Amplifier Gate Array for WDM Routing and Switching Applications," OFC '98 Technical Digest, Pages 42-44, 1998.							
		Doussiere, P. et al., "Clamped Gain Travelling Wave Semiconductor Optical Amplifier for Wavelength Division Multiplexing Applications," Maui, Hawaii, Sept. 19-23, 1994, New York, IEEE, US, Vol. Conf. 14 (9/14/94), pages 185-186.							
		F Evankow, Jr., J.D., et al., "Photonic Switching Modules Designed with Laser Diode Amplifiers," IEEE, Journal on Selected Areas in Communications, Vol. 6, No. 7, Pages 1087-1095, August 1988.							
	F	Evankow, Jr., J.D., et	al., "Photoni						

EXAMINER: Initial if references considered, whether or not citation is in conformance with MPEP § 609; Draw line through citation if not in conformance and not considered.

PTO-1449 REV: 02/01

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		OTHER DOCU	MENTS	(Including Author	r, Title, Date	, Pertinent I	Pages, Etc	;.)		
	İ	Gee, S. et al., "High-Po Semiconductor Optical	ower Mode- I Amplifiers,	-Locked Externation," IEEE Journal	al Cavity Se	emiconduc	ctor Laser	r Using Inv		
		2, March/April 1998, pa Jeong, G., et al., "Gain			Rased on S	Semicondu	ictor Opti	cal Amplifi	ere " .loı	irnal
		of Lightwave Technology					10toi Qp	vai Airipiii.	613, 000	II i i co
		Joyner, C.H. et al., "Ex	ktremely Lar	rge Band Gap S	Shifts for Mo	QW Struct				
		Masked Substrates," IE								
		Applications," IEEE Jou	Kitamura, S., et al., "Spot-Size Converter Integrated Semiconductor Optical Amplifiers for Optical Gate Applications," IEEE Journal of Quantum Electronics, Vol. 35, No. 7, Pages 1067-1074, July 1999.							
	K	Koyama, F., et al., "Mu								
	1	Monolithically Integrate Letters (August 1993),				pplications	s," lEtt r	hotonics	Technoid	ogy
	L	Leuthold, J., et al., "All-				ed Princips	-llv ldeal (Evtinction	Patins "	·ccc
	1	Journal of Quantum El						ixumono.	Aduos, .	EEL
		McAdams, L.R. et al., '	"Linearizing	g High Performa	ance Semic	conductor (mplifiers: 7		es
L	<u> </u>	and Performance," LEG	and Performance," LEOS Presentation (1996), pages 363-364.							
i	N	Mutalik, V.G. et al., "Analog performance of 1310-nm gain-clamped semiconductor optical amplifiers,"								
 		OFC '97 Technical Digest, Thursday Morning, 11:15 AM, pages 266-267. Simon, J.C. et al., "Travelling wave semiconductor optical amplifier with reduced nonlinear distortions,"								
	0	Electronics Letters, Vo					th reduce	d nonlinea	ir distorti	ons,"
	P	Soulage, G. et al., "Cla					otical Ami	olifier as a	Large	
		Dynamic Range Optica undated, 4 unnumbere	al Gate," Ald							rance,
	Q	Tai, C., et al., "Dynami		nd Switching Sr	eed Limita	tions of an	NxNO	otical Pacl	ket Switc	;h
		Based on Low-Gain Se No. 4, Pages 525-533,	emiconduct	tor Optical Ampl						
		Tiemeijer, L.F. et al., "1 AM-CATV-Grade Linea	1310-nm DI	BR-Type MQW						
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Sheet 3 of 3

FORM PTO-1449 (REV. 6-89)		U.S. DEPARTMENT OF COMMERCE			Attorney's Docket No. 21153-05929		Serial No. 10/017,358			
(REV. 6-89) INFORMATION DISCLOSURE CITATION					Applicant Jeffrey D. Walker					
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			U.S. P/	ATENT DOC	UMENTS					
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	S	Tiemeijer, L.F. et al., ' Amplified Signal Moni (March 1997), pages	tor for Optic							
	Т	Tiemeijer, L.F. et al., "Reduced Intermodulation Distortion in 1300 nm Gain-Clamped MQW Laser Amplifiers," <i>IEEE Photonics Technology Letters</i> , Vol. 7, No. 3 (March 1995), pages 284-286.								
	U									
	٧	van Roijen, R., et al, "Over 15 dB Gain from a Monolithically Integrated Optical Switch with an Amplifier," IEEE Photonics Technology Letters, Vol. 5, No. 5, Pages 529-531, May 1993.								
	W									
	X Agility Unveils Long-Haul Laser, Light Reading – The Global Site for Optical Networking, retrieved fr Internet www.lightreading.com/document.asp (3/30/01)						retrieved from			
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